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Server Solutions

Tomcat i7230B

S5161

Next Generation P4 Rackmount Server Platform

- Based on Intel® E7230 + ICH7R chipset, support Intel® Pentium® D processors
- (4) DDR2-667/533 unbuffered DIMM sockets
- One (1) PCI-X 64/133 slot in-lined with one (1) inversed PCI-E x4 slot (routed to PCI-E x8 bus from MCH)
- (1) PCI-X TYAN TARO™ SO-DIMM slot supports U320 SCSI or SAS/SATA-II/SATA
- (4) SATA-II RAID1, 0; XGI XG20 GFX
- (2) GbE LAN (Intel® 82573), (1) FE
- IPMI v2.0 Remote Management option (M3291 SMDC)
- ATX form factor (12" x 9.6')

(Specifications are subject to change without notice. Items pictured may only be representative.)

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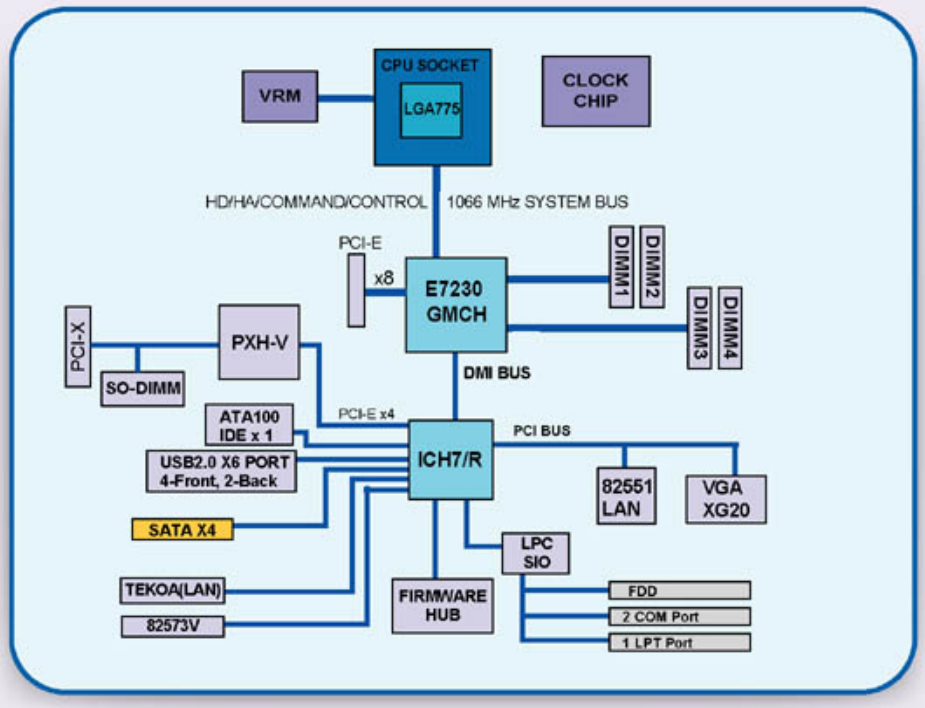
▲TOP View

Block Diagram



S P E C I F I C A T I O N S

Processors
- Single LGA775 socket
- Supports Intel® Pentium™ 4 and Pentium™ D processor (Prescott/Smithfield/Cedar)
- 1066/800/533 MT/s FSB

Chipset
- Intel® E7230 (Mukilteo) MCH
- ICH7-R South Bridge
- PXH-V 64-bit PCI Hub
- SMSC SCH5017 Super I/O chip

Memory
- Four 240-pin DDR2 DIMM sockets
- Supports ECC DIMMs
- Maximum of 8GB* Unbuffered DDR2-667/533

*Note: not validated at the time of print; subject to change

Expansion Slots
- One (1) PCI-X 64/133 slot in-lined with one (1) inversed PCI-E x4 slot (routed to PCI-E x8 bus from MCH)
- One (1) Tyan TARO™ SO-DIMM socket

System Management
- SMSC SCH5017 and EMC6D103 w/ hardware monitoring
- One (1) 3+1-pin CPU fan headers with tachometer monitoring and smart FAN control (by SCH5017)
- Five (5) 3+1-pin system fan headers with tachometer monitoring, three (3) of them support smart FAN control
- Temperature and voltage monitoring
- Watchdog timer support
- Port 80 code display LED

Optional modules
- M3291, IPMI 2.0 Remote System Mgmt card
  - -Renesas H8S2167 BMC controller
  - -BT, KCS, Logging support
  - -IPMI-over-LAN
  - -Remote power on/off and reset
- M7901/M7902, Ultra 320 SCSI TARO™ card
  - -Adaptec AIC-7901/7902 single/dual-channel, Ultra320 SCSI controller
  - -Adaptec HostRAID 0, 1, 10 supported
- M9000 SAS/SATA II TARO™ card
  - -Adaptec AIC-9405/9410 SAS controller
  - -Supports up to 4-port (M9000-5) and 8-port (M9000-10) SAS & SATA running at 3.0Gb/s
  - -Adaptec HostRAID 0, 1 & 10 supported

Integrated I/O
- One floppy connector
- One IDE connector
- Four SATA-II ports
- Six USB 2.0 ports (2 at rear, 4 via cable)
- Two COM port (1 at rear, 1 via cable)
- Tyan 2 x 9 front-panel pin header
- TYan 2 x 6 front-panel pin header for LAN LED and ID LED/Switch
- 2 x 25 connector for optional Tyan IPMI SMDC

Back Panel I/O ports
- Stacked PS/2 Mouse & Keyboard ports
- Stacked two USB ports & one RJ45 10/100 ports
- One 9-pin COM port
- One 15-pin VGA port
- Two side-by-side RJ-45 10/100/1000 ports

Integrated Video Controller
- XGI Volari Z7 (XG20)
- 16MB frame buffer memory (upgradeable to 32MB)

Integrated ATA-100 (ICH7-R)
- One ATA-100 Channels for up to two ATA-100 devices

Integrated SATA-II Controllers (ICH7-R)
- Supports four SATA-II ports running at 3.0Gb/s
- RAID 0/1/5/10 capable (RAID 5/10 is only supported under Windows)

Integrated LAN Controllers
- Two (2) Intel® i82573V GbE LAN controllers
  - Operating at PCIe x1 interface
- One (1) Intel® i82551QM fast ethernet LAN controller
  - Operating at PCI 32/33 interface

BIOS
- PHOENIX® BIOS on 8Mbit LPC Flash ROM
- Serial Console Redirect
- USB boot supported
- Supports APM1.2 and ACPI
- PnP, DMI2.0, WfM2.0 power Management
- S0/S1/S4/S5 states supported

Form Factor
- ATX footprint
- 12" x 9.6" (305mm x 244mm)

Power Supply
- ATX12V
- Universal 24-pin + 8-pin power connectors

Regulatory
- FCC Class B (DoC)
- European Community CE (DoC)
- BSMI

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